Supplemental Figure Legend

Supplemental Figure S1. ADAM17 knockout does not affect ADAM9, ADAM10, and collagen XVII expression in murine keratinocytes.

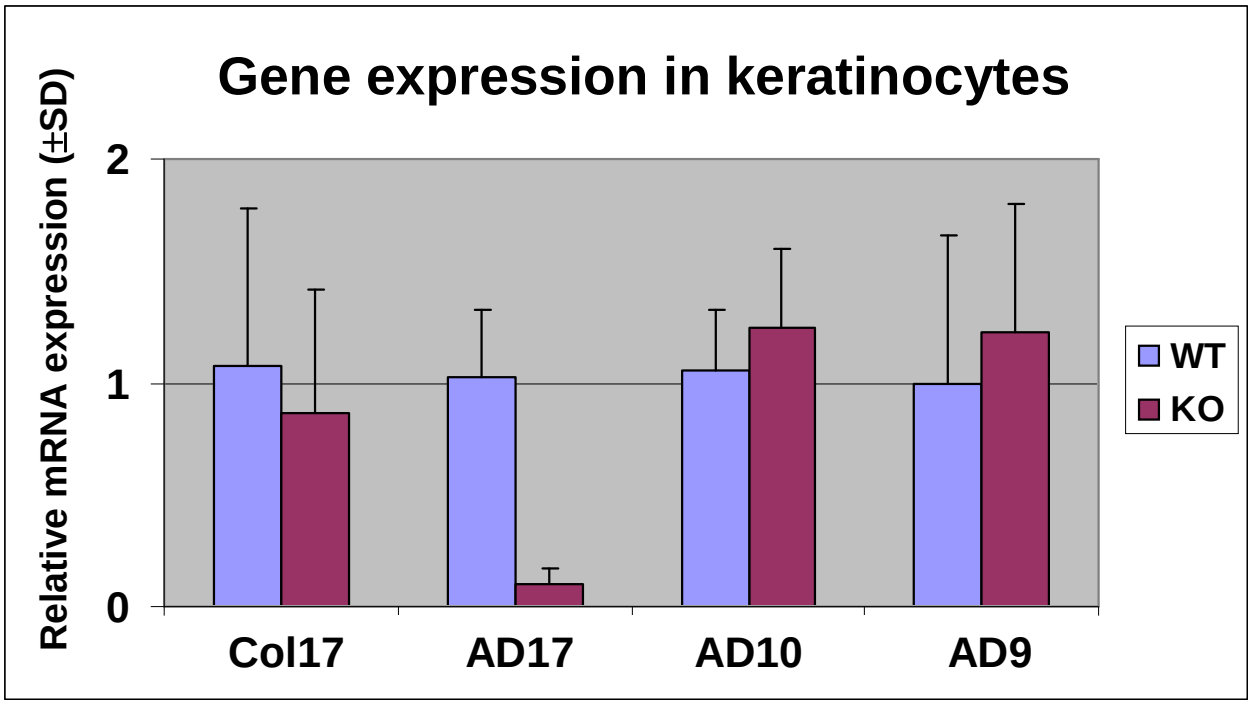
Primary keratinocytes derived from three different *Adam17-/-* mice and their wild type littermate controls were prepared and cultured in 6 well plates as described in the Experimental Procedures. Before extraction for total RNA and protein lysates, the confluent cultures were incubated for 6 hours in conditioned medium.

(A) Total RNA was extracted and reverse transcribed as described in Experimental Procedures. Relative quantification of ADAM9, ADAM10, AMAD17, and collagen XVII gene expression was performed by real-time PCR and normalized for levels of glyceraldehydes-3-phosphate dehydrogenase (GAPDH). The ADAM17 mRNA expression was 90% downregulated. No differences were observed for collagen XVII, ADAM9, and ADAM10 expression. Data are shown as mean ± SD (n=3).

(B) Western blot analysis of lysates of *Adam17-/-* keratinocytes were probed with antibodies against collagen XVII, or ADAMs 9, 10 or 17. The percentage of expressed protein was calculated by densitometric quantification. ADAM17 protein is not expressed in ADAM17 knockout keratinocytes. Comparison of ADAM9, ADAM10, and collagen XVII protein expression revealed no significant differences between *Adam17-/-* and wild type control cells. Representative immunoblots of the cell lysates from three different experiments are shown. The red arrow points towards the pro-form, and the green arrow towards the mature form of each ADAM, and the asterisk indicates a non-specific band in the ADAM9 Western blot.

Supplemental Figure S1

A



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